

Message Text

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EO: 11652: N/ A

TAGS: IAEA TECH

SUBJ: IAEA CONSULTANTS MEETING RE UTILITY SYSTEM EXPANSION PLANNING.

1. AGENCY PLANS CONVENE SUBJECT MEETING IN LATE OCTOBER OR EARLY NOVEMBER 1973 TO REVIEW METHODOLOGY USED IN NUCLEAR POWER MARKET SURVEY AND MAKE RECOMMENDATIONS CONCERNING POSSIBLE IMPROVEMENTS

IN FUTURE APPLICATION BY AGENCY IN ADVISING DEVELOPING COUNTRIES RE POSSIBLE ROLE OF NUCLEAR POWER IN THEIR ELECTRICITY SUPPLY SYSTEMS.

2. MAJOR PART OF METHODOLOGY FOR MARKET SURVEY IS BASED ON "WASP" GROUP OF COMPUTER CODES DEVELOPED AND IMPLEMENTED BY TWO U. S. EXPERTS (JENKINS, TVA, AND JOY, ORNL). AGENCY BELIEVES ASSISTANCE OF JENKINS AND JOY IN PREPARATION FOR CONSULTANTS MEETING WOULD BE HIGHLY DESIRABLE, AND UNDERSTANDS BOTH HAVE EXPRESSED INFORMAL INTEREST IN PREPARING SEVERAL WORKING DOCUMENTS, SPECIFICALLY,

(1) TECHNICAL PAPER DESCRIBING WASP CODES IN DETAIL, AND
(2) SET OF DETAILED LOGIC DIAGRAMS FOR WASP CODES AS USED IN MARKET SURVEY AND AS PROPOSED FOR IMPROVEMENT.

3. RE LAST POINT, JOY PRESENTED LIST OF RECOMMENDED IMPROVEMENTS IN WASP CODES AT RECENT MEETING OF MARKET SURVEY SPONSORS, AND REACTION OF NUMBER OF SPONSORS' REPRESENTATIVES PRESENT WAS THAT
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IMPROVEMENTS WERE INDEED DESIRABLE. SEVERAL OF SUGGESTED IMPROVEMENTS CAN BE IMPLEMENTED BY AGENCY STAFF MEMBERS. THREE OF THEM, HOWEVER, WOULD REQUIRE EXPERTISE OF JENKINS AND/OR JOY. THESE DEAL WITH REVISING SIMULATION CODE TO TREAT HYDRO RIGOROUSLY, RESTRUCTURING DYNAMIC PROGRAM, AND IMPROVING ERROR MESSAGES.

4. IN ADDITION TO AFOREMENTIONED TWO DOCUMENTS, AGENCY PLANS HAVE TWO OTHER WORKING PAPERS, ONE PREPARED BY AGENCY STAFF MEMBERS GIVING CHARACTERISTIC EXAMPLES OF UTILIZATION OF WASP CODES IN MARKET SURVEY, AND TECHNICAL PAPER PREPARED BY ASSOCIATED NUCLEAR SERVICES DESCRIBING METHODOLOGY USED IN EVALUATING SYSTEM RELIABILITY AND STABILITY AND LIMITING UNIT SIZES. ALL WORKING DOCUMENTS MUST BE ISSUED BY LATE AUGUST TO PERMIT REVIEW BY AGENCY STAFF BEFORE SENDING THEM TO CONSULTANTS FOR REVIEW IN ADVANCE OF MEETING.

5. AGENCY REQUESTS ASSISTANCE IN ARRANGING FOR JENKINS AND JOY PREPARE WORKING DOCUMENTS AND IMPLEMENT PROGRAM IMPROVEMENTS. AGENCY UNDERSTANDS THAT JENKINS AND JOY WILLING TO ASSIST, SUBJECT TO THEIR EMPLOYERS' APPROVAL.

6. MISSION BELIEVES PROPOSED COURSE OF ACTION TO IMPROVE METHODOLOGY DEVELOPED FOR MARKET SURVEY IS SENSIBLE AND HIGHLY DESIRABLE. ACCORDINGLY, WE RECOMMEND FAVORABLE RESPONSE.

7. COPY OF LETTER POUCHED AMMONS, AEC. ALTHOUGH NOT RPT NOT STATED IN LETTER, WE UNDERSTAND AGENCY WILL INVITE JENKINS AND JOY TO PARTICIPATE IN CONSULTANTS MEETING WHEN HELD, AND PROBABLY WILL REQUEST ONE OF THEM AS COST-FREE EXPERT.

8. ADVISE. PORTER

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